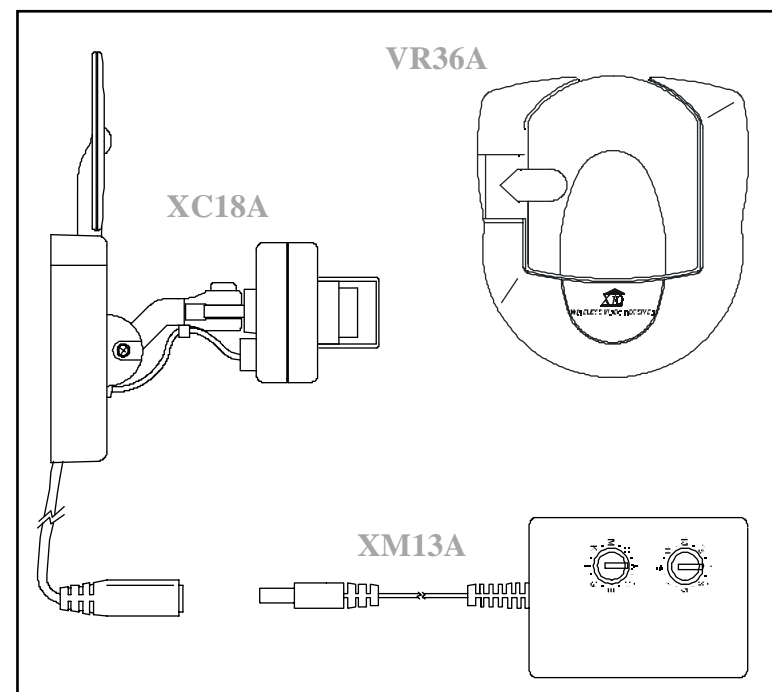




*Indoor/Outdoor Color Camera  
with Built-in 2.4 GHz Wireless  
Transmitter, plus X10 controlled  
power supply, and Video  
Receiver.*



## OWNER'S MANUAL



## MODEL VK69A

(INCLUDES XC18A CAMERA, XM13A ADDRESSABLE POWER  
SUPPLY, AND VR36A VIDEO RECEIVER)





## INTRODUCTION

Your Wireless Camera Kit consists of a Color Video Camera with built-in 2.4 GHz Transmitter, and a Video Receiver which you connect to a TV anywhere in your home (up to 100 ft. away from the Camera). The Camera converts video signals into radio signals and transmits them (even through walls) to the Video Receiver. The Receiver converts the signals back to video signals and feeds them through a cable to your TV's Video input jack.

Also included is a remote controlled power supply, Model XM13A, which lets you turn the camera on and off by remote control from any X10 remote control (sold separately). You can purchase additional cameras and power supplies so you can have a multiple camera system. You can then set all cameras to the same channel as the receiver and turn the cameras on and off remotely so as to only ever have one camera turned on at a time.

### FCC CAUTION

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.

OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

This equipment generates and uses radio frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturers instructions, it may cause interference to radio and television reception. It has been type tested and found to comply with the limits for remote control devices in accordance with the specifications in Sub-Parts B and C of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by unplugging the equipment, try to correct the interference by one or more of the following measures.

- Reorient the antenna of the radio/TV experiencing the interference.
- Relocate the equipment with respect to the radio/TV.
- Move the equipment away from the radio/TV.
- Plug the equipment into an outlet on a different electrical circuit from the radio/TV experiencing the interference.
- If necessary, consult your local Dealer for additional suggestions.

**NOTE:** Modifications to this product will void the user's authority to operate this equipment.



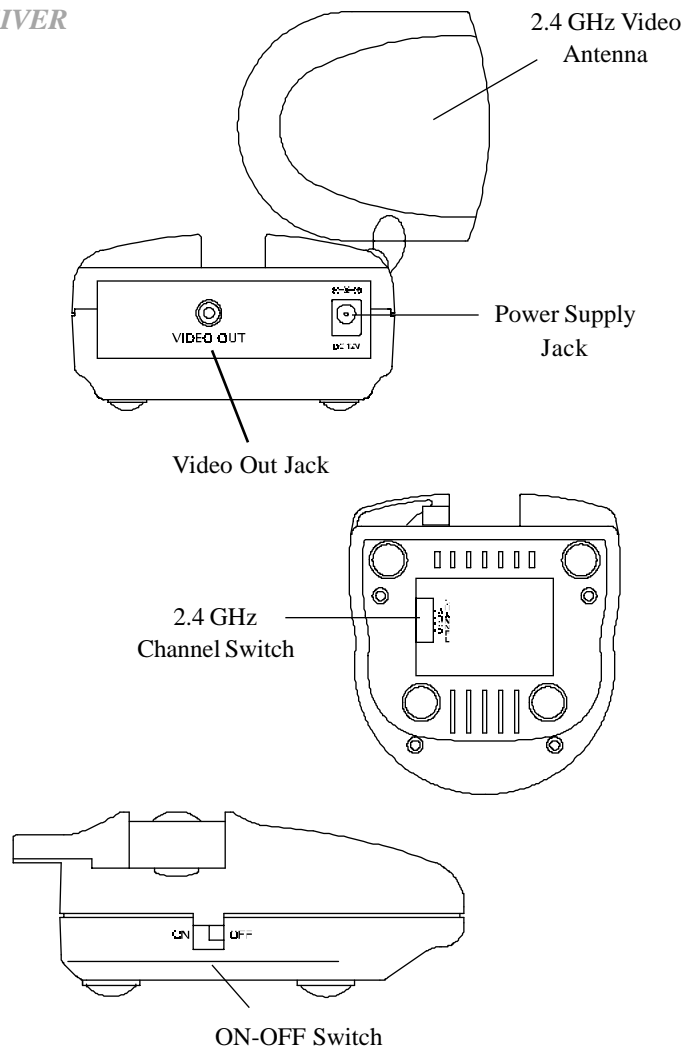
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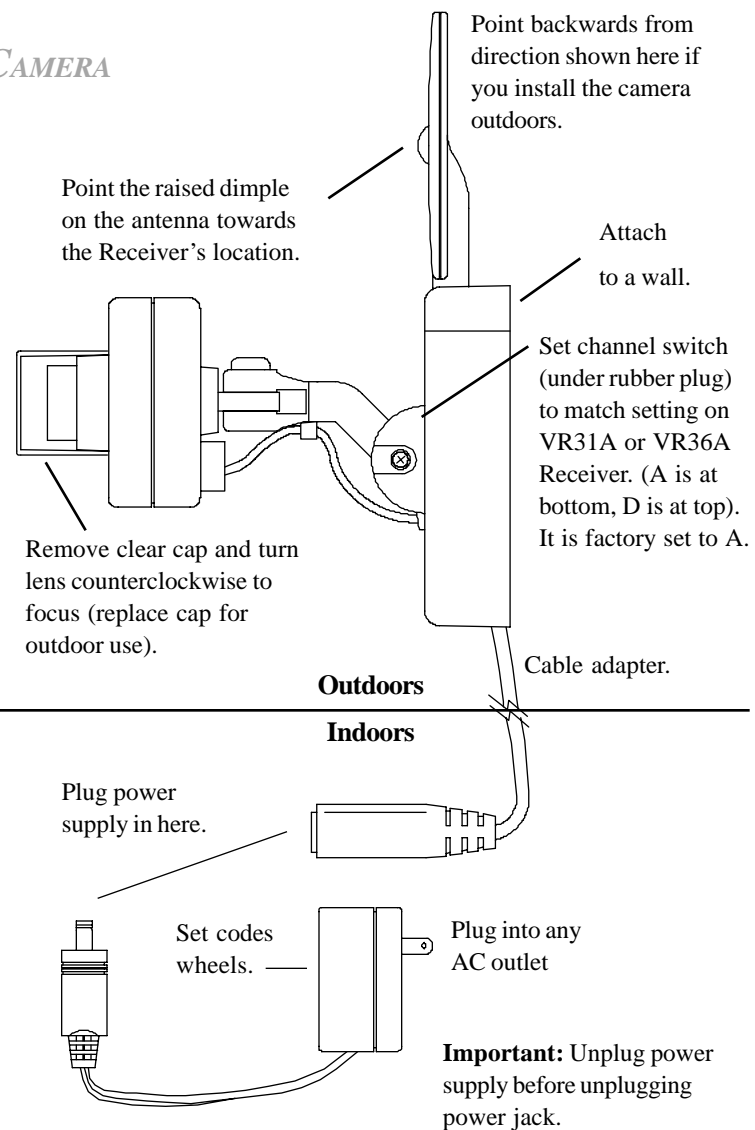


## CONTROLS AND CONNECTIONS

### RECEIVER



### CAMERA



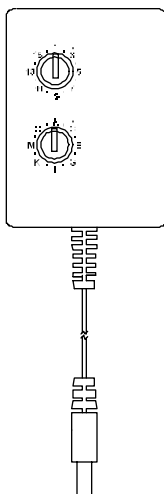
## CONNECTING UP

### SETTING UP THE CAMERA, AND REMOTE CONTROLLED POWER SUPPLY

Referring to the diagrams below and on the previous page:

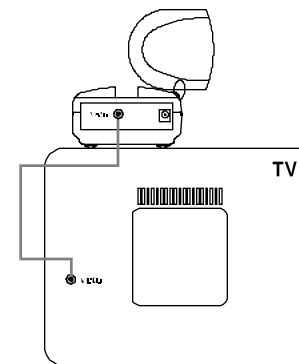
1. Attach the camera to a wall using the screws provided.
2. If you install the camera outdoors, make a small hole in your exterior wall and pass the low voltage power jack through it.
3. Plug the XM13A's power supply jack into the socket on the adapter cable from the camera.
4. Plug the power supply into any 120V AC outlet.
5. Set the channel switch on the camera to any letter A, B, C, or D
6. Adjust the antenna if necessary to aim it in the direction of the TV that you will view the camera on.
7. Set the Housecode dial to a letter between A and P that matches the Housecode dial on the X10 remote controls you want to use it with. Set the Unit Code dial to a number between 1 and 4\*. This lets you turn the camera connected to the XM13A on and off by remote control (using X10 remote controls, sold separately). See the owner's manual supplied with X10 remote controls for more details.

\* You can also set the Unit Code for any group of 4 cameras to 5-8, 9-12, or 13-16.



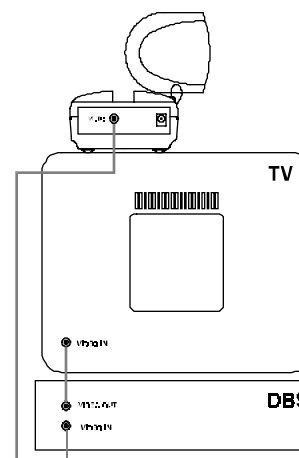
## CONNECTING UP

1. Connect a Video cable to the VIDEO OUT jack on the Video Receiver. Connect the other end to your TV's VIDEO IN jack. If your TV does not have a VIDEO IN jack, you will need to purchase an RF modulator, or connect as shown in the diagram below, or purchase a Model VR31A Receiver.
2. Plug the Video Receiver's Power Supply jack (the power supply with NO code wheels) into the Video Receiver and plug the power supply into a 120 volt wall outlet.
3. Turn the Video Receiver's power switch (on side of unit) on.
4. Set the channel switch to the same letter as you set on the camera, A, B, C, or D.
5. Position the Video Receiver in a convenient location such as on top of the TV and orient the antenna so that the flat side points in the direction where you set up the Camera.



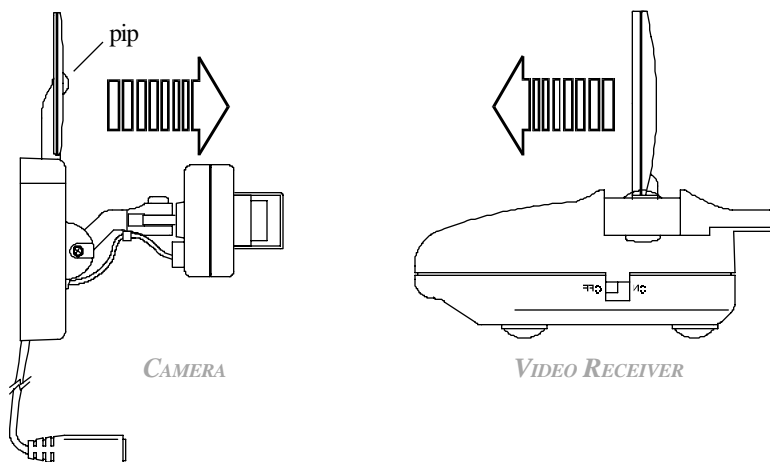
*IF YOUR TV IS ALREADY HOOKED UP TO A DBS RECEIVER OR OTHER A/V DEVICE, OR IF YOUR TV DOES NOT HAVE A VIDEO IN JACK*

If a DBS Receiver or other A/V component is connected to the TV using A/V cables, you can connect the Video Receiver to the free LINE IN jacks on the component.



## FINE TUNING YOUR SYSTEM

The system usually works best with the "pip" on the Camera's antenna facing the flat side of the Receiver's antenna (see diagram below). Sometimes, however, reflections and other effects in the home may affect the signal so that some adjustment of either the Camera or Receiver antenna may be necessary to get the best the signal. If you have more than one Camera, sometimes pointing the Receiver's antenna up towards the ceiling works best.



### *IF YOU ARE NOT GETTING ANY SIGNAL AT ALL*

Check that the CHANNEL slide switch (labeled A, B, C, D) on both units (on bottom) is set to the same letter.

If you are using coaxial TV connections from the Video Receiver (Model VR31A only), check that the TV is tuned to the same channel as the TV Channel switch on the bottom of the Video Receiver (3 or 4).

Check that the camera's remote controlled power supply is turned on (using any X10 remote control, sold separately). Note, when you first plug the power supply in, it will normally be ON.

### *IF THE SIGNAL IS POOR, OR THERE IS INTERFERENCE*

Try changing the channel on both units. Do this by adjusting the CHANNEL slide switch on each unit to any position (A, B, C, or D). Make sure both units are set to the same letter.

## TROUBLESHOOTING

### *IF YOU DO NOT SEE A PICTURE ON YOUR TV:*

Check that the Receiver and the Camera are on the same letter channel (A, B, C, or D). On the Receiver the switch is on the bottom. On the Camera the switch is located under the rubber plug on the base of the unit. Make sure you replace the plug afterwards if you intend to use the camera outdoors.

There is a power light on the front of the Receiver. Check that the power switch on the side of the Receiver is ON.

Check that the Camera is turned on. For single camera systems the power supply for the Camera will normally be on (it powers up on). For Multi-Camera systems you need to purchase a TM751 Transceiver for the remote control to be able to turn Cameras on. When you turn any one on, in a group of 4 on, the others in the group turn off. Groups must be 1-4, 5-8, 9-12, or 13-16. Check that all camera power supplies are set to the same Housecode as the Transceiver and remote control.

Verify that your connections to the TV are correct. If you are using the RCA jacks, make sure you are using the appropriate input mode for your TV, try pressing the A-B button or Video button on your TV's remote control to change the input mode (consult your TV's owner's manual, if necessary). If you are using a Coax cable (Model VR31A Receiver only), verify that the Receiver and the TV are on the same channel (3 or 4).

If you connected the Receiver to a VCR and then connected the VCR to your TV, you might need to turn the VCR OFF to see the Camera's picture on your TV. Or you might need to turn the VCR on, AND set it to record the picture from the Camera, in order to see the picture on your TV. Or you might need to press the A-B button on your VCR's remote control. Consult your VCR's owner's manual from more information.

### *IF YOU GET A PICTURE BUT THE QUALITY IS POOR:*

Try different positions for the antennas on the Camera and Receiver. Normally they should point at each other. Sometimes, due to reflections, you might get a better picture with the Receiver's antenna pointing to the ceiling.

Take a look at what the video signal is passing through or near to get to the Receiver. Metal objects and electromagnetic fields can distort the signal. Try to keep the Receiver as far away from other devices as the cables allow.



In most cases, relocating the Camera or Receiver a few feet is enough to avoid the source of interference.

Try unplugging/turning off any electromagnetic interference producing devices, such as a microwave oven, baby monitor, computer, wireless LAN, wireless speakers, cordless phone, cell phone, etc.

Other 2.4 GHz devices can distort the Camera's picture and/or cause buzzing in the audio. If you are experiencing interference between X10 Cameras and some other equipment that uses 2.4 GHz, check the other device's owner's manual for the frequencies of each channel that it uses. X10 cameras use the following frequencies: Channel A: 2.411 GHz, Chan B: 2.434 GHz, Chan C: 2.453 GHz, Chan D: 2.473 GHz. We recommend using a frequency on the other device that is farthest from channel A or D, depending on which side of the band the other device is transmitting. Otherwise you will need to discontinue use of the device while using the Cameras.

*IF THE CAMERA IS OUT OF FOCUS:*

The camera is shipped preset to be in focus for normal use, but if you want to change the focus you can remove the clear plastic cover and rotate the inner portion of the lens. It might be a bit tight. Try turning it counterclockwise first. If you turn it clockwise do not force or over tighten it. For outdoor use, replace the clear plastic cover to keep the rain out.

*IF YOU ARE HAVING DIFFICULTY TURNING THE CAMERA ON/OFF REMOTELY:*

Plug the Transceiver (the white module with an antenna) into a different outlet. Note a Transceiver (sold separately) is **REQUIRED** for Multi-Camera systems. It is not required if you only have one camera as the camera's power supply powers up on when you plug it in.

*IF THE REMOTE CONTROL (SOLD SEPARATELY) DOESN'T DO ANYTHING.*

Check that the red light on the remote comes on when you press any button. Check that you have the batteries installed correctly, replace if necessary with 4 AAA alkaline batteries. Try the Transceiver in different outlets (see above).

**For more help with setup please visit [www.x10.com/support](http://www.x10.com/support)**



## 12 MONTH LIMITED WARRANTY

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IF SERVICE IS REQUIRED UNDER THIS WARRANTY:

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2. RETURN THE DEFECTIVE UNIT POSTAGE PREPAID TO THE ADDRESS BELOW
3. ENCLOSE A CHECK FOR \$4.00 TO COVER HANDLING AND RETURN POSTAGE.
4. ENCLOSE A DATED PROOF OF PURCHASE.
5. X10 IS NOT RESPONSIBLE FOR SHIPPING DAMAGE. UNITS TO BE RETURNED SHOULD BE PACKED CAREFULLY.

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